**Project management document**

For

**TEXT LINE SEGMENTATION FOR MEDIEVAL MANUSCRIPTS**

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**1. PROJECT OVERVIEW**

**1.1 Project Name**

Text Line Segmentation for Medieval Manuscripts

**1.2 Project Description**

The goal of this project is to apply a seam carving algorithm for text line segmentation to accurately separate text into individual lines in medieval manuscripts. Enabling efficient digitization and analysis of medieval manuscripts for historical research and preservation purposes.

**1.3 Project Timeline**

* Month 1: Literature review and algorithm development.
* Month 2: Algorithm testing and software development.
* Month 3: Software testing and quality assurance.
* Month 4: Documentation, Final review and delivery.

**1.4 Project Deliverables**

* Project Plan
* Literature review and algorithm development.
* Algorithm testing and software development
* Documentation, Final review and delivery.

**1.5 Project Risks**

* Currently, our project only supports one chosen dataset we need to add additional functionalities for this project to work any other type of Manuscripts.
* Our project needs specified input format

**2. TEAM MEMBERS**

**2.1 Lead Researcher**

Name: B.Manasa

Person Hours: 30 hours

Person Hours required : 10

Lines of code written:250

**2.2 Algorithm Developer**

Name: B.Manasa

Person Hours: 30 hours

Person Hours required : 10

Lines of code written:300

**2.3 Algorithm Developer**

Name: J. Bhuvana Sree

Person Hours: 30 hours

Person Hours required : 10

Lines of code written:300

**3. ROLES AND RESPONSIBILITIES**

**3.1 Lead Researcher**

* Perform a literature review
* Develop text line segmentation algorithms
* Test and evaluate algorithm performance
* Write research papers
* Lines of code estimated: 250

**3.2 Algorithm Developer**

* Develop a software system for text line segmentation
* Implement text line segmentation algorithms
* Ensure the software is robust and scalable
* Lines of code estimated: 600

**4. PERSON-HOURS**

Total Person Hours: 90hours

**5. RISK MITIGATION STRATEGIES**

* Regular communication and status updates among team members
* Use of project management tools for tracking progress and resource allocation
* Use of reliable tools and technologies for development
* Early identification and resolution of technical issues
* Allocation of adequate time and resources for testing and bug fixing.

**6. CONCLUSION**

The project management document outlines the timeline, roles, responsibilities, and person hours of each team member for the development of the Text Line Segmentation for Medieval Manuscripts. It also identifies potential risks and mitigation strategies to ensure the successful completion of the project. By following this project management document, the team can work together effectively to deliver the project within the timeline.